

PROJECT NAME: Assistive Drive System for Commercial Trucking

RECIPIENT: Equiwest Transportation

LOCATION: Sandy, UT

PURPOSE: The funds will facilitate completion of the development of a proprietary drive system applicable to America's fleet of over 11 million over-the-road trailers enabling the trailer to provide assistive drive to the towing semi-tractor through the use of electric motors using kinetic energy recovery technology enabling in increased fuel efficiency for the towing vehicle from 6% to 12% depending on payload and drive route. The system will also introduce drag safety features as a result of the use of regenerative braking under slowing/braking maneuvers providing better driver control of the trailer, particularly in multiple trailer configurations and in adverse weather conditions. The system will employ the battery systems for auxiliary power use otherwise performed by idling the towing tractor's engine.

AMOUNT: \$1,511,400